

ICS 93.100

**Railway applications –
Track - Noise barriers and related devices acting on airborne sound
propagation –
Non-acoustic performance – Part 2-2: Mechanical performance under
dynamic loadings caused by passing trains – Calculation method;
English version EN 16727-2-2:2016,
English translation of DIN EN 16727-2-2:2016-11**

Bahnanwendungen –
Oberbau - Lärmschutzwände und verwandte Vorrichtungen zur Beeinflussung der
Luftschallausbreitung –
Nicht akustische Eigenschaften – Teil 2-2: Mechanische Eigenschaftsanforderungen unter
dynamischen Belastungen infolge Zugverkehr – Berechnungsverfahren;
Englische Fassung EN 16727-2-2:2016,
Englische Übersetzung von DIN EN 16727-2-2:2016-11

Applications ferroviaires –
Voie - Écrans antibruit et dispositifs connexes influant sur la propagation aérienne du son –
Performances non acoustiques – Partie 2-2: Tenue mécanique sous charges dynamiques dues
à la circulation ferroviaire – Méthode de calcul;
Version anglaise EN 16727-2-2:2016,
Traduction anglaise de DIN EN 16727-2-2:2016-11

Document comprises 24 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN 16727-2-2:2016) has been prepared by Technical Committee CEN/TC 256 “Railway applications” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was *DIN-Normenausschuss Fahrweg und Schienenfahrzeuge* (DIN Standards Committee Railway), Working Committee NA 087-00-01-11 UA *Lärmschutzwände an Schienenwegen*.

This standard is based on the English reference version.

English Version

**Railway applications - Track - Noise barriers and related
devices acting on airborne sound propagation - Non-
acoustic performance - Part 2-2: Mechanical performance
under dynamic loadings caused by passing trains -
Calculation method**

Applications ferroviaires - Voie - Écrans antibruit et
dispositifs connexes influant sur la propagation
aérienne du son - Performances non acoustiques -
Partie 2-2: Tenue mécanique sous charges dynamiques
dus à la circulation ferroviaire - Méthode de calcul

Bahnanwendungen - Oberbau - Lärmschutzwände und
verwandte Vorrichtungen zur Beeinflussung der
Luftschallausbreitung - Nicht akustische Eigenschaften
- Teil 2-2: Mechanische Eigenschaftsanforderungen
unter dynamischen Belastungen infolge Zugverkehr -
Berechnungsverfahren

This European Standard was approved by CEN on 12 March 2016.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels